

IT Trends 2010

How Can CIOs Manage ?



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ผู้อำนวยการ

สำนักบริการเทคโนโลยีสารสนเทศภาครัฐ

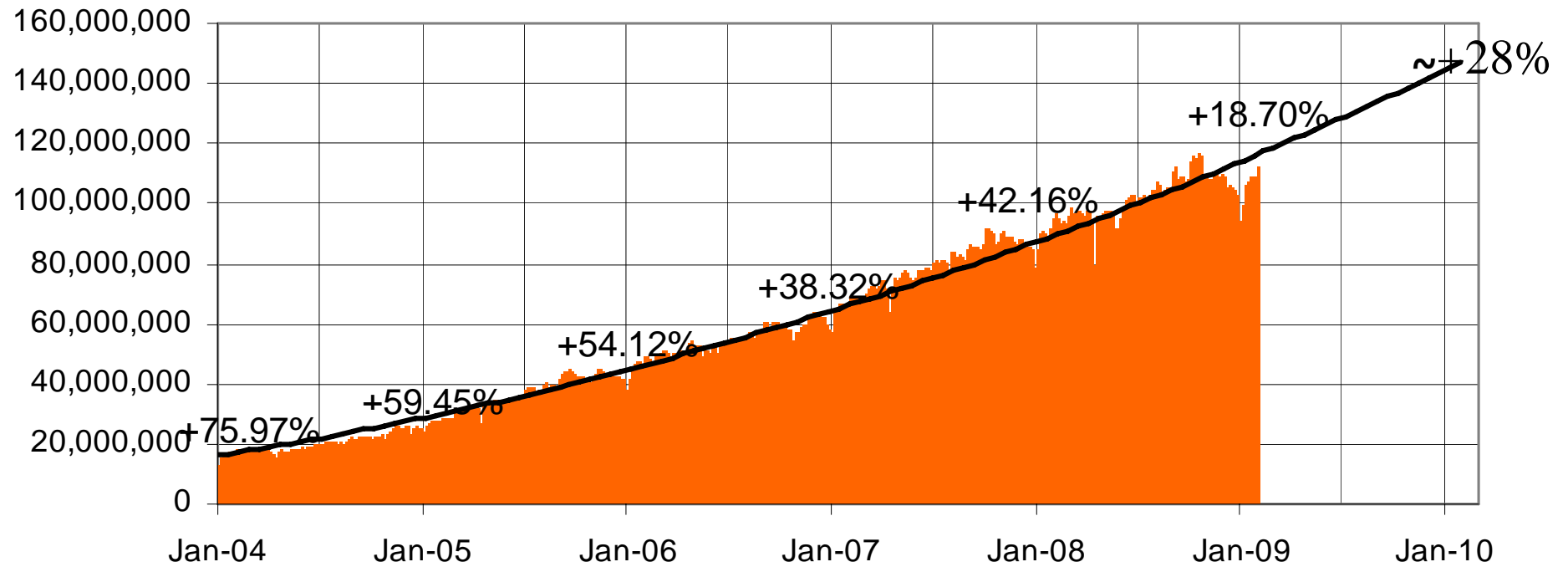
สำนักบริการเทคโนโลยีสารสนเทศภาครัฐ
Government Information Technology Services



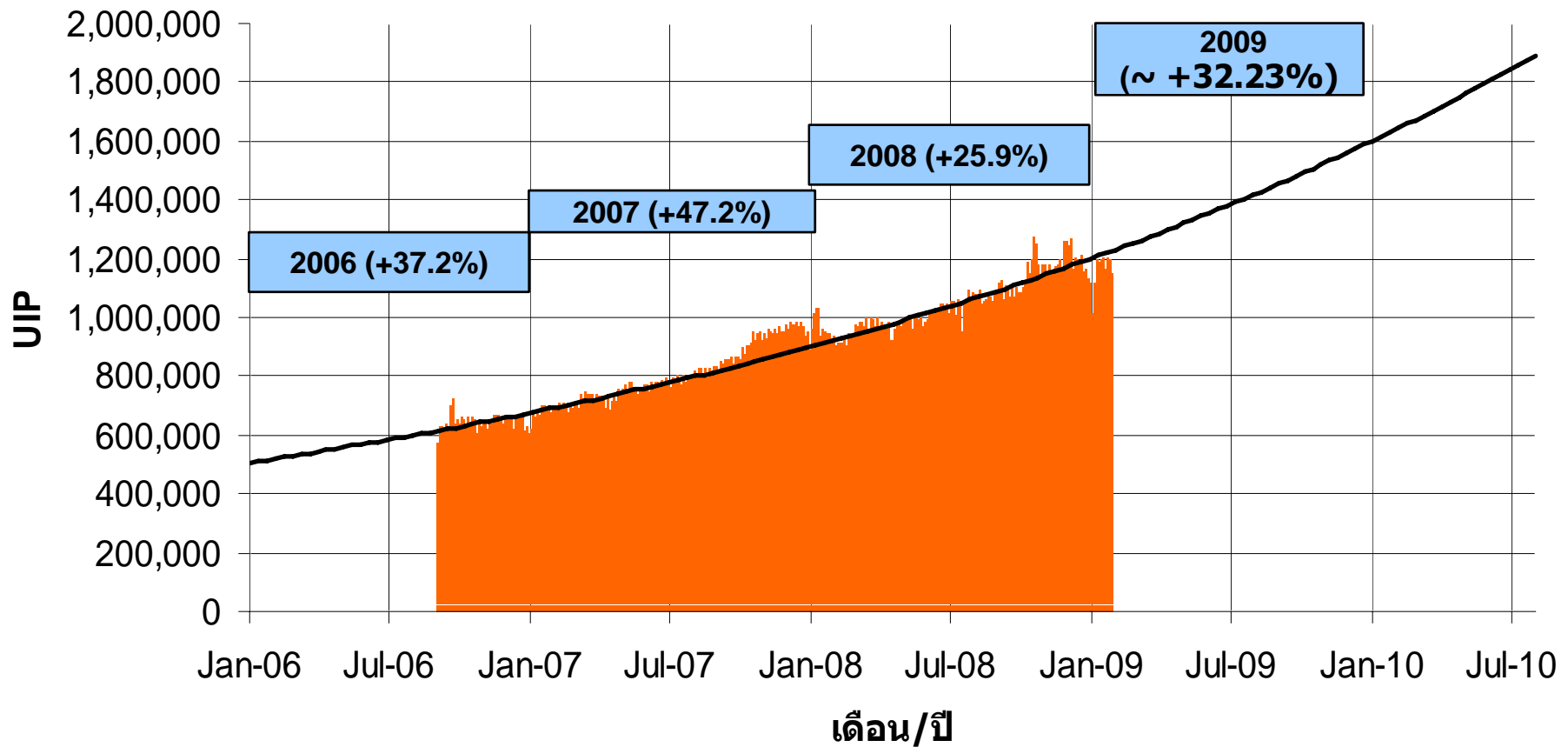
World Internet Users and Population Stats

WORLD INTERNET USAGE AND POPULATION STATISTICS						
World Regions	Population (2008 Est.)	Internet Users Dec. 31, 2000	Internet Users Latest Data	Penetration (% Population)	Users Growth 2000-2008	Users % of Table
Africa	975,330,899	4,514,400	54,171,500	5.6 %	1,100.0 %	3.4 %
Asia	3,780,819,792	114,304,000	657,170,816	17.4 %	474.9 %	41.2 %
Europe	803,903,540	105,096,093	393,373,398	48.9 %	274.3 %	24.6 %
Middle East	196,767,614	3,284,800	45,861,346	23.3 %	1,296.2 %	2.9 %
North America	337,572,949	108,096,800	251,290,489	74.4 %	132.5 %	15.7 %
Latin America/Caribbean	581,249,892	18,068,919	173,619,140	29.9 %	860.9 %	10.9 %
Oceania / Australia	34,384,384	7,620,480	20,783,419	60.4 %	172.7 %	1.3 %
WORLD TOTAL	6,710,029,070	360,985,492	1,596,270,108	23.8 %	342.2 %	100.0 %

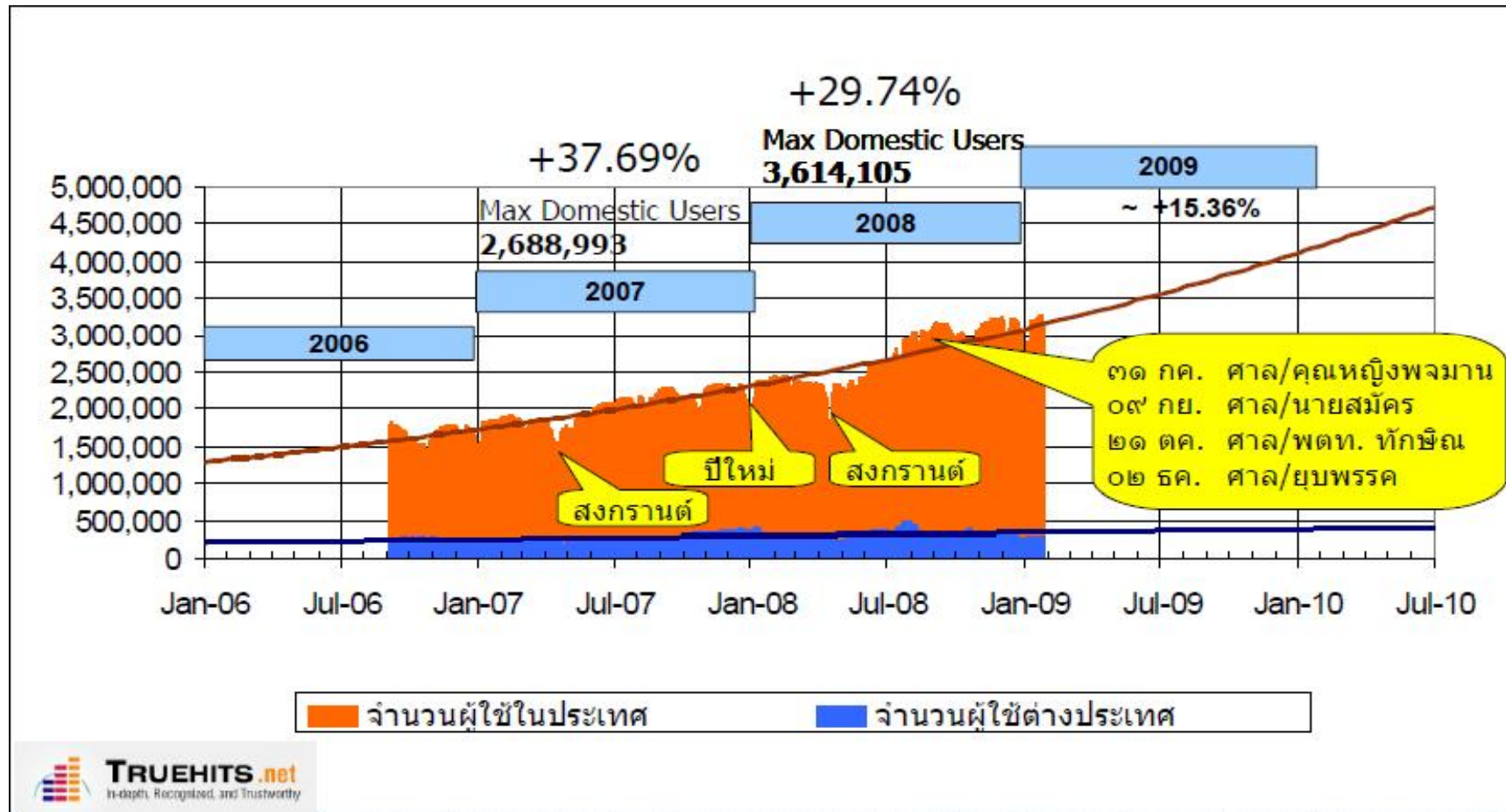
Internet Usage Growth (Daily Pageviews)



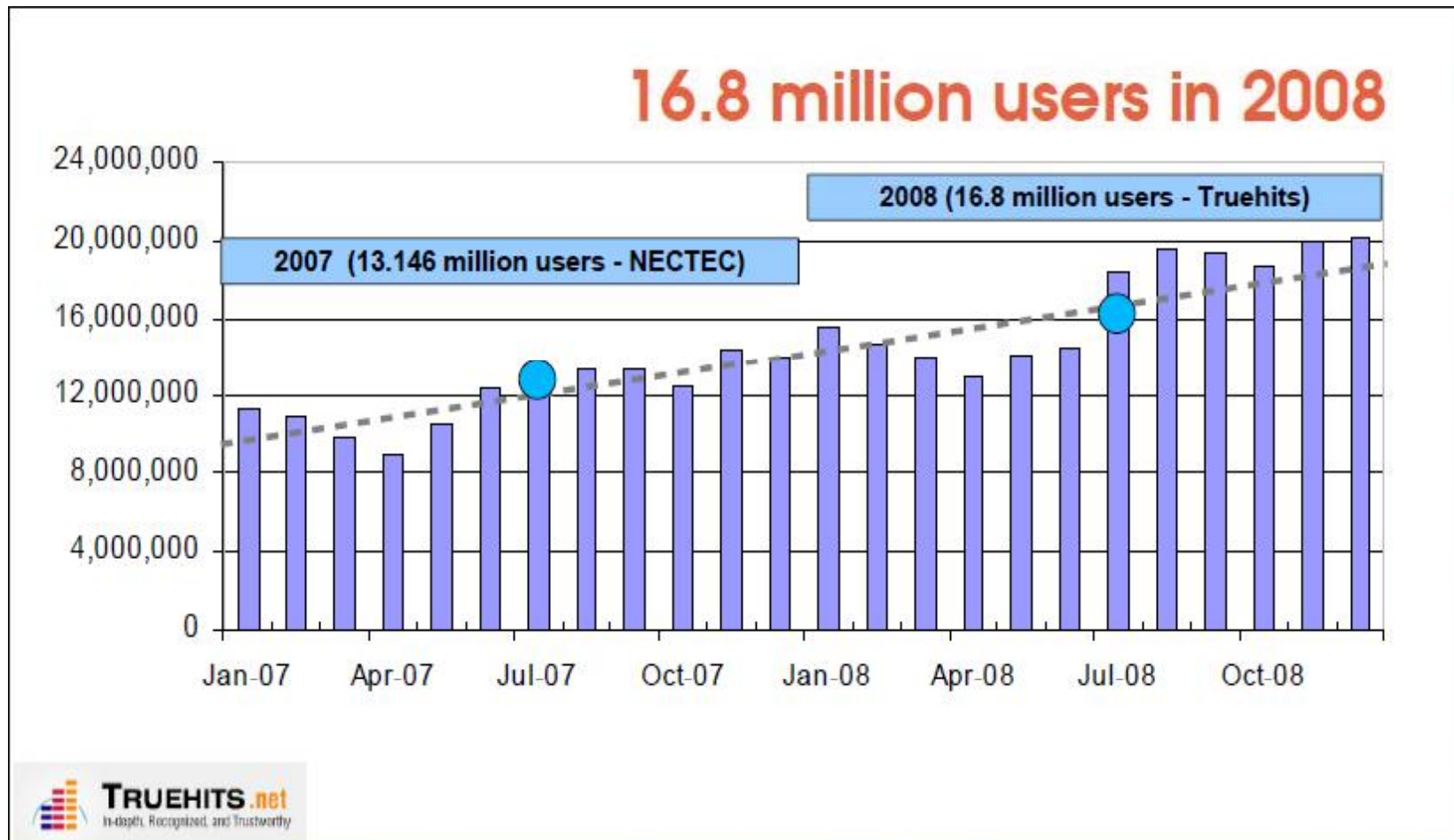
Internet Usage in Thailand (Daily Unique IP)



Internet Users on Each Day



Domestic Internet Users in Each Month



Thailand Internet Statistics 2008

สถิติภาพรวมประจำปี พ.ศ. 2551 (1 ม.ค.-31 ธ.ค. 2551) จำนวนอิิต = 36,758,936,462 +(29.36%)

อันดับหมวดเว็บไซต์ยอดนิยม >> แนวโน้ม			
หมวด	จำนวนเว็บ(%)	%การใช้งาน	
บันเทิง	886(8.39)	38.78%	+0.94
เกมส์	246(2.33)	14.02%	+2.76
บุคคล-สังคม	845(8.00)	8.38%	+0.71
ข่าว-สื่อ	345(3.27)	6.56%	-0.02
อินเทอร์เน็ต	751(7.11)	5.46%	-1.15
ช้อปปิ้ง	866(8.20)	5.42%	-0.51
ธุรกิจ	1194(11.31)	3.61%	-0.68
ยานยนต์	249(2.36)	2.76%	-0.19
กีฬา	256(2.42)	2.67%	+0.61
การศึกษา	1232(11.67)	1.94%	-0.05
ศิลปะ-วัฒนธรรม	299(2.83)	1.91%	-0.20
ธนาคาร-การเงิน	185(1.75)	1.67%	+0.05
มือถือ-พีดีเอ	163(1.54)	1.47%	-0.10
คอมพิวเตอร์	562(5.32)	1.36%	-0.20
หน่วยงานราชการ, องค์กร	992(9.39)	1.27%	-0.30
ท่องเที่ยว	810(7.67)	1.21%	-0.10
บันเทิงสำหรับผู้ใหญ่	54(0.51)	0.69%	-1.55
อสังหาริมทรัพย์	305(2.89)	0.49%	+0.02
สุขภาพ	320(3.03)	0.31%	-0.06

ช่วงเวลาใช้อินเทอร์เน็ต

มากที่สุด	15:00-16:00 น.
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ระบบปฏิบัติการ >> แนวโน้ม		
Windows XP	89.14%	-1.20
Windows 98	0.84%	-1.84
Windows 2000	0.77%	-0.77
Vista	1.63%	+1.00
Linux	0.06%	+0.02

เบราว์เซอร์ >> แนวโน้ม		
MSIE 6.x	57.44%	-22.18
MSIE 7.x	33.80%	+19.88
Mozilla FireFox+Netscape	6.93%	+2.42
MSIE 5.x	0.46%	-0.89

ความละเอียดหน้าจอ >> แนวโน้ม		
1024*768	62.95%	-6.31
800*600	6.79%	-4.84
1280*800	11.33%	+4.81
1280*1024	7.00%	+1.60
1152*864	3.78%	+0.59

เครื่องมือค้นหาเว็บไซต์ >> แนวโน้ม		
Google.com	96.07%	+2.62
Sanook.com	2.73%	-2.43
Yahoo.com	0.40%	-0.17
Msn.com	0.11%	-0.10

Top 10: IT Trends (2009)

1. Software as a Service (SaaS)
2. Virtualization
3. Enterprise Mobility
4. Energy-Efficient Data Centers
5. Security, Risk and Compliance
6. Social Networking
7. Web 2.0
8. Document Management and E-Discovery
9. Project Management and Project Portfolio Management
10. Web and Video Collaboration

IT and Business Trends Through 2010 by Gartner

- Trend 1: Consumerism of Technology
- Trend 2: IT Virtualization
- Trend 3: A Wireless World
- Trend 4: Real-Time Infrastructure
- Trend 5: Software As Service
- Trend 6: There Is Always a "Next Big Thing"

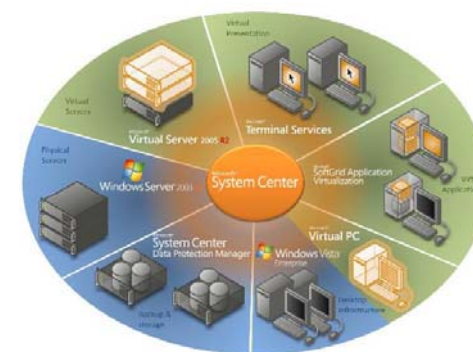
Trend 1: Consumerism of Technology

“This will cause IT vendors to create IT products with features that appeal to consumers and move to lifecycles that are more akin to those in the consumer market.”



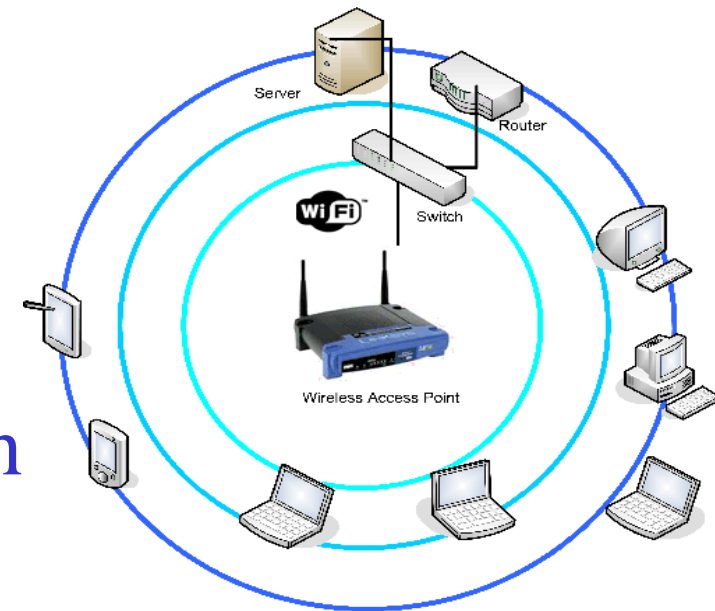
Trend 2: IT Virtualization

"Virtualization will reduce the number of servers sold, and it calls into question the way software is licensed on these machines



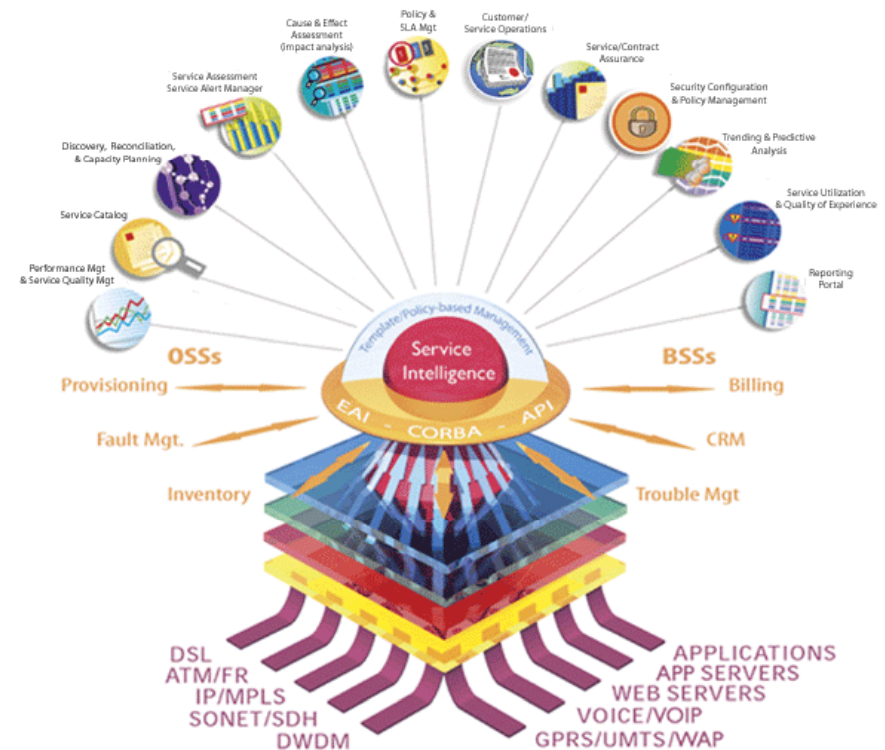
Trend 3: A Wireless World

“Expects that hybrid networks using short-range wireless technologies such as Bluetooth Zigbee and Ultra Wide Band working side-by-side in WiFi and other longer-range wireless networks, both at home and in business. ”



Trend 4: Real-Time Infrastructure

"You do not have to own the box to be able to use it. IT will move away from being a product that is sold on a quarterly basis, in one, two, or three year cycles, to a service that is consumed minute by minute."



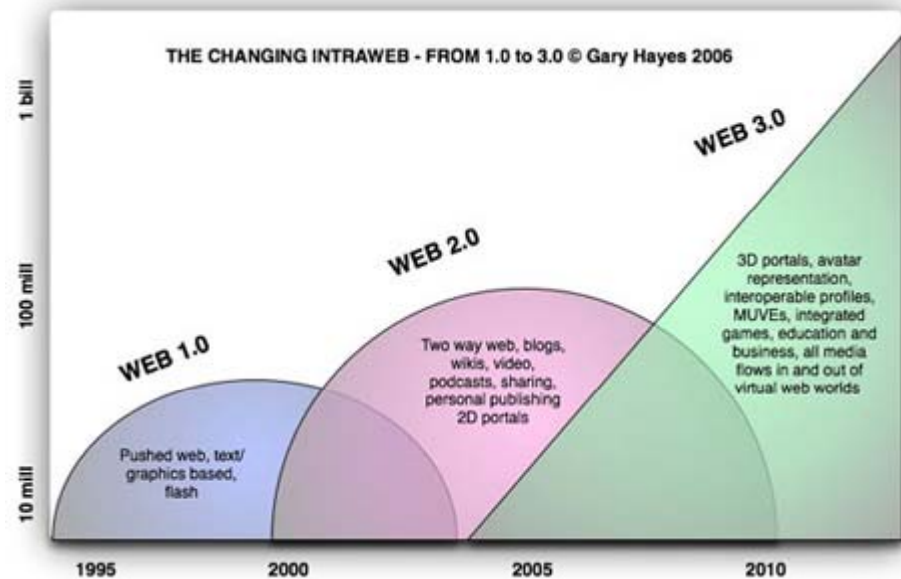
Trend 5: Software As Service

“Software is going to have to change from being a collection of monolithic programs that are difficult to integrate, change, and reintegrate to being a set of services defined by a services-oriented architecture”



Trend 6: There Is Always a "Next Big Thing"

"There will be a never-ending stream of new technologies and businesses have to keep looking at these new technologies to see what strategic advantage they might bring to their businesses."

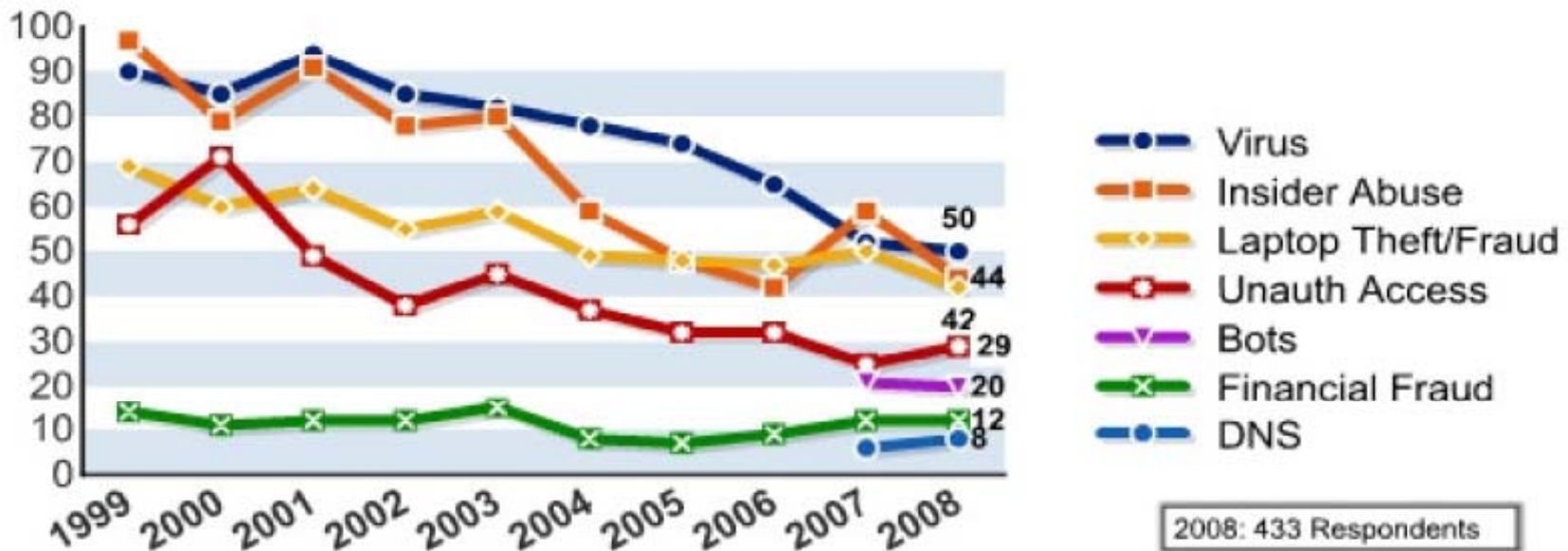


The US Federal information policies in 2010 - 2015

- Will be fueled by two major driving forces - pressure to cut federal IT budgets without losing efficiency and implementation of new technologies. The policies will focus on:
 - Adoption of innovative **web 2.0** technologies;
 - Modernizing and improving the effectiveness of **Government services** through the adoption of modern IT systems;
 - **Securing** Federal systems and national IT infrastructure against natural and malicious threats.

Security Survey 2008

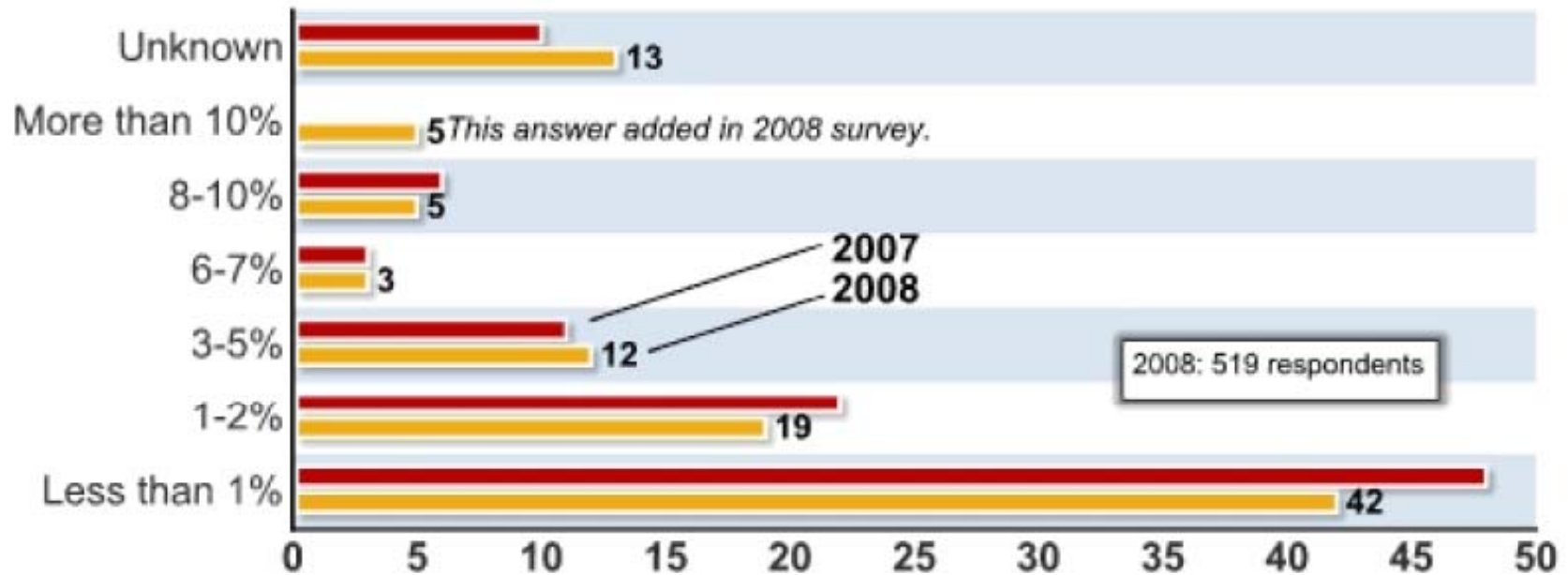
Figure 13: Percentages of Key Types of Incident



Source: Computer Security Institute

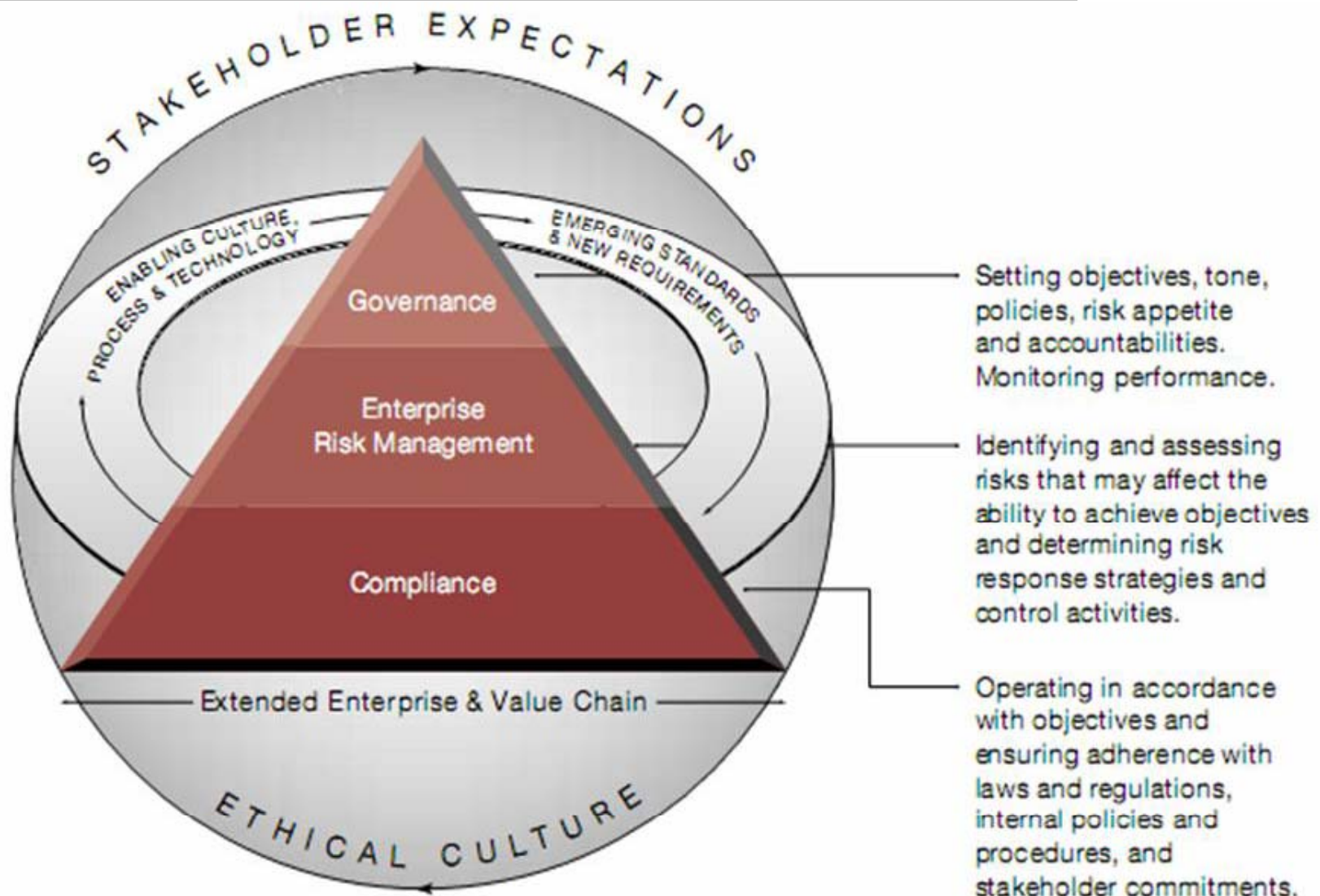
Security Budget

Figure 6: Awareness Training as a Percentage of Security Budget



Source: Computer Security Institute

ทิศทางในอนาคต: *GRC*



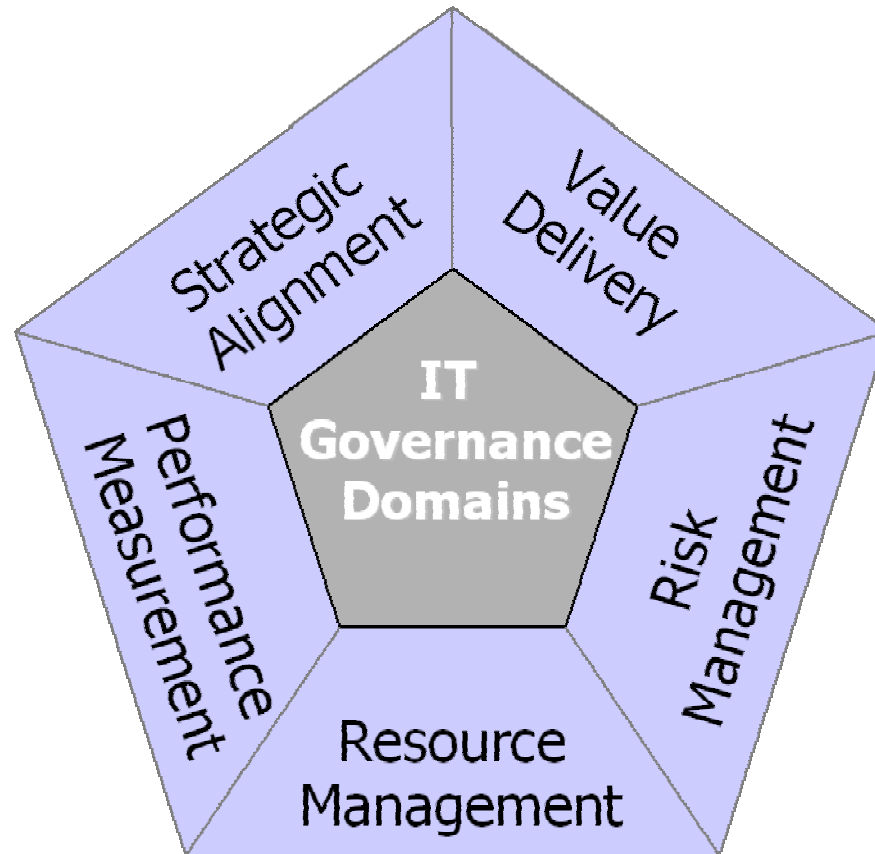
TOP to-do lists 2008

IN THE PIPELINE

The Premier 100 IT Leaders put these projects at the top of their to-do lists for 2008.

1.	IT governance, including business alignment
2.	Vertical industry and company-specific projects
3.	Infrastructure and architecture upgrades
4.	Data management initiatives, including data warehousing and business intelligence
5.	ERP and supply chain projects
6.	Networking upgrades
7.	Security initiatives
8.	CRM rollouts
9.	E-commerce projects
10.	Collaboration initiatives

IT Governance



IT Governance Objectives

Effectiveness

Information being relevant and pertinent to the business process as well as being delivered in a timely, correct, consistent and usable manner

Efficiency

Provision of information through the optimal (most productive and economical) use of resources

Confidentiality

The protection of sensitive information from unauthorised disclosure

Integrity

Relates to the accuracy and completeness of information

Availability

Information being available when required by the business process now and in the future; it also concerns the safeguarding of necessary resources and associated capabilities

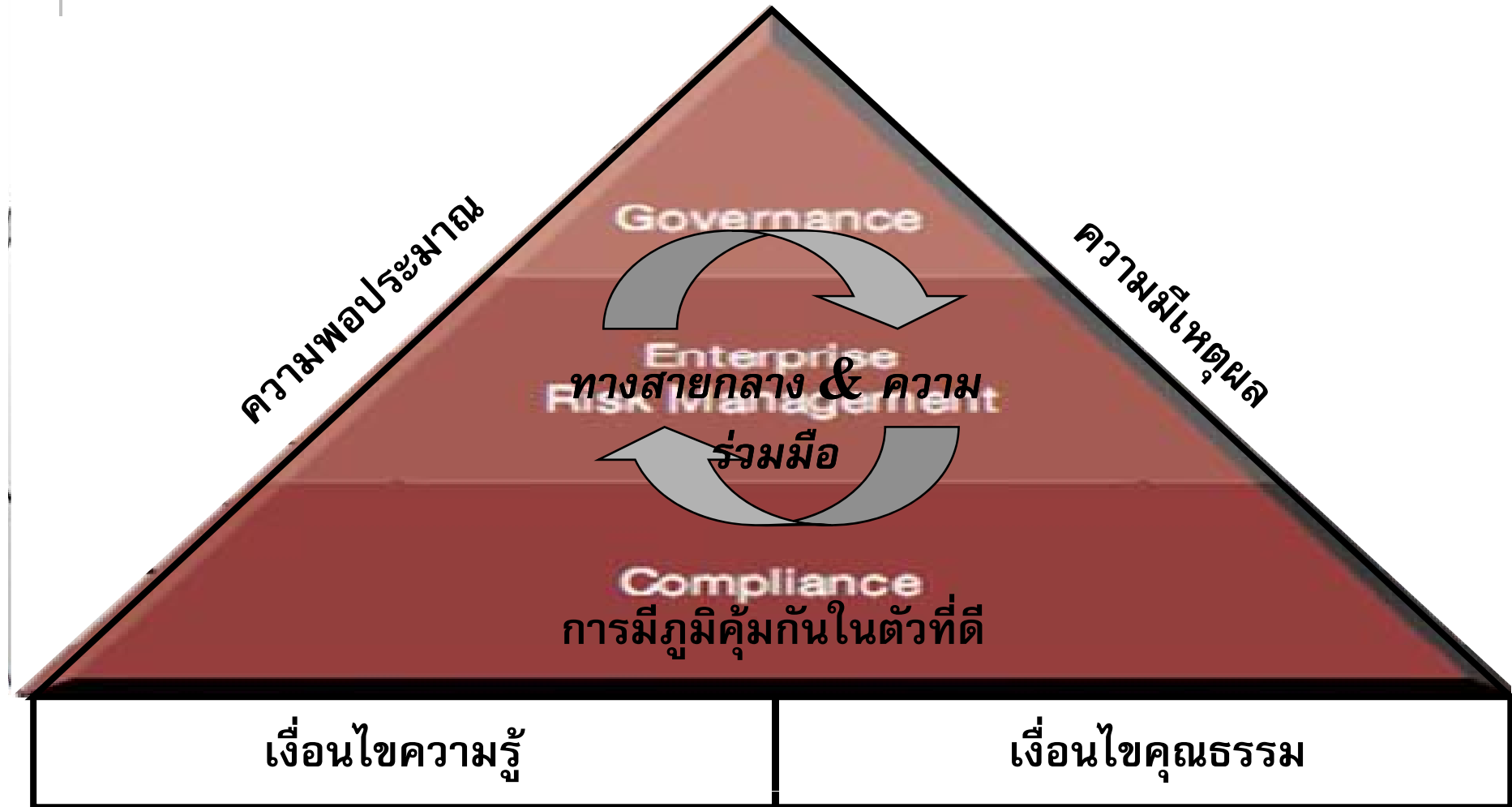
Compliance

Complying with those laws, regulations and contractual arrangements to which the business process is subject, i.e., externally imposed business criteria as well as internal policies

Reliability

The provision of appropriate information for management to operate the entity and to exercise its fiduciary and governance responsibilities

Sufficient Implementation



ขอบคุณครับ

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